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INVESTOR IN PEOPLE

The Patent Office
Concept House
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Newport
South Wales

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21 NOV 2000

WIPO

PCT

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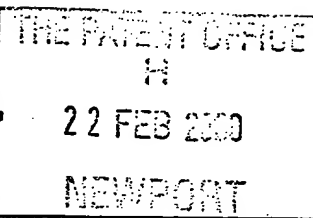
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**PRIORITY
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Request for grant of a patent

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22 FEB 2000

The Patent Office

Cardiff Road
Newport
Gwent NP9 1RH

1. Your reference

S.M.

2. Patent application number

(The Patent Office will fill in this part)

0003970.1

3. Full name, address and postcode of the or of each applicant (underline all surnames)

STEPHEN MORTEN
THE LYMES OFF OLD YORK ROAD SKELLON DONCASTER
DN6 8LA

Patents ADP number (if you know it)

If the applicant is a corporate body, give the country/state of its incorporation

7759152001

4. Title of the invention

A1)JUSTABLE SAFETY CABLE.

5. Name of your agent (if you have one)

N/A

"Address for service" in the United Kingdom
to which all correspondence should be sent
(including the postcode)

~~SKELLON DONCASTER~~
DN6 8LA.ATKINSON BARRINGTON
27-29 PRESIDENT BUILDING
PRESIDENT WAY
SHEFFIELD (FS1/77)
S4 4UR (29/9/00)

Patents ADP number (if you know it)

7807043001

6. If you are declaring priority from one or more earlier patent applications, give the country and the date of filing of the or of each of these earlier applications and (if you know it) the or each application number

Country

Priority application number
(if you know it)Date of filing
(day / month / year)

N/A.

7. If this application is divided or otherwise derived from an earlier UK application, give the number and the filing date of the earlier application

Number of earlier application

Date of filing

9923976.6

(day / month / year)

0000507.4

12 10 99

12 01 00

8. Is a statement of inventorship and of right to grant of a patent required in support of this request? (Answer 'Yes' if:

NO.

- a) any applicant named in part 3 is not an inventor, or
 - b) there is an inventor who is not named as an applicant, or
 - c) any named applicant is a corporate body.
- See note (d))

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Continuation sheets of this form

Description 2

Claim(s) 1 2

Abstract 1

Drawing(s) 2+2

10. If you are also filing any of the following, state how many against each item.

Priority documents

Translations of priority documents

Statement of inventorship and right to grant of a patent (Patents Form 7/77)

Request for preliminary examination and search (Patents Form 9/77)

Request for substantive examination (Patents Form 10/77)

Any other documents (please specify)

11.

I/We request the grant of a patent on the basis of this application.

Signature

S. Mullen

Date 21.02.00

12. Name and daytime telephone number of person to contact in the United Kingdom

STEPHEN MULLEN 01302 722438

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Notes

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ADJUSTABLE SAFETY CABLE

This invention relates to an adjustable safety cable.

Safety cables are used throughout the building, leisure and petro chemical industries, for clipping onto, to give protection against falls.

However to give temporary access to the building and petro chemical industries, safety cables are used simply by fastening both ends to the solid structure.

This however is not suitable for scaffolding, as no solid structure has been built prior to requiring the safety cable. Thus the need for an adjustable safety cable.

According to the present invention there is provided an adjustable safety cable comprising of an adjustable cable & two or more hollow adjustable uprights. The safety cable travels by way of the top of one upright it crosses the required distance & comes into contact with the second upright set at the same predetermined height.

The cable can be fastened off at contact point or allowed to travel to the lower part of the upright to be fastened off.

The uprights are raised or lowered using cables and pulleys or simply lifted & lowered into position. The uprights are supported to any structure using base & intermediate brackets.

A specific embodiment of the invention will now be described by way of example with reference to the accompanying drawings in which: -

Figure 1 shows both uprights joined together by the adjustable safety cable. Uprights are fitted with internal pulleys.

Figure 2 shows both uprights joined together by the adjustable safety cable. Uprights are fitted with external pulleys.

Referring to the drawings the adjustable safety cable comprises a pair of supports 20 & a cable 19. The cable 19 is taken from either the bottom to the top of the upright 20 or is connected to the upright 20 at 18. It travels over the required distance, connecting at either contact point 18 of other uprights or travels over the top pulleys 13 & down towards the base of the uprights 20 to be made secure. The cable is secured by for example a catch, keep (not shown) or winch, cable drum or recoil system 17. The winch, cable drum or recoil system 17 may or may not be connected to the upright 20.

The safety cable 19 may use lower pulleys 13 to change direction.

In order to install the uprights 20, for example to a structure (not shown), both uprights 20 are placed at the required distance apart. They are offered base support bracket and clamps 15 first, to a fastening position on a structure (not shown). Intermediate supports 14 are then fitted. Thus securing both uprights 20 to the structure (not shown). Both ends of the adjustable safety cable 19 are secured.

In order to raise the uprights 20 in the direction of the arrow 21 or lower in the direction of the arrow 22, positive only or positive then negative pressure is applied to ropes (not shown) thus lifting or lowering the uprights 20 or they are simply lifted or lowered into position.

To remove the uprights 20 from the structure the steps described above are carried out in reverse sequence.

CLAIMS

1 A adjustable safety cable comprising of an adjustable cable & two or more hollow adjustable uprights.

The safety cable travels by way of the top of one upright it crosses a required distance and comes into contact with the second upright set at the same predetermined height.

The cable can be fastened off at contact point or allowed to travel to the lower part of the upright to be fastened off..

The uprights are raised or lowered using cables and pulleys or simply lifted & lowered into position. The uprights are supported to any structure using base and intermediate brackets.

2 A adjustable safety cable in claim 1 wherein strengthening means are provided inside the hollow sections of the uprights..

3 A adjustable safety cable in Claim 1 or Claim 2, wherein the base and intermediate Brackets are removable.

4 A adjustable safety cable in Claim 1 or Claim 2 or Claim 3 wherein a winch , cable drum, recoil system or brackets are used to fasten the safety cable to. The winch, cable drum, recoil system may or may not be connected to the upright.

5 A adjustable safety cable in Claim 1 or Claim 2 or Claim 3 or Claim 4 wherein lanyards or safety devices are connected to the safety cables so men can clip to.

6 A adjustable safety cable in Claim 1 or Claim 2 or Claim 3 or Claim 4 or Claim 5 wherein the pulleys 13 are fitted either inside or outside of the uprights.

7 A adjustable safety cable in Claim 1 or Claim 2 or Claim 3 or Claim 4 or Claim 5 or Claim 6 wherein a cable movement stop is fitted.

8 A adjustable safety cable in Claim 1 or Claim 2 or Claim 3 or Claim 4 or Claim 5 or Claim 6 or Claim 7 wherein four adjustable uprights are used in a square or rectangular format with a moveable connecting connector between the two safety cables.

9 A adjustable safety cable substantially as described herein with reference to figure 1 & 2 of the accompanying drawings.

ABSTRACT

ADJUSTABLE SAFETY CABLE

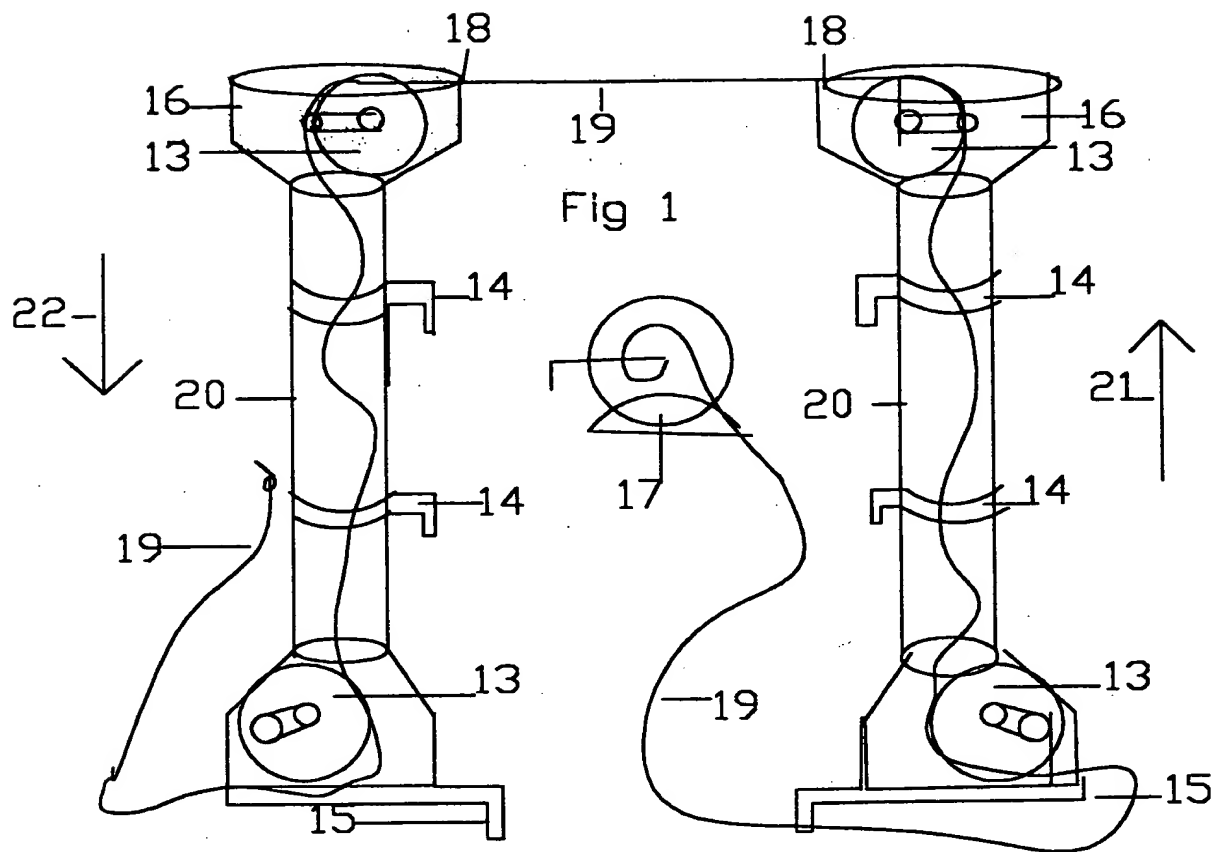
"A" adjustable safety cable, e.g. a cable that can be adjusted in length as well as height has a cable 19 that passes between two or more adjustable uprights 20 connecting at either contact point of cable and upright 18 or travelling down towards the base of the uprights 20 to be made secure.

The ends of the cable can be fastened to the uprights 20, the working structure (not shown), winch type mechanism, cable drum or recoil system 17. The uprights 20 are raised or lowered by rope and pulley mechanism (not shown) or simply pulled up or lowered to the required height.

The uprights 20 are placed around the work area with the cable 19 passing between them.

Base support bracket with clamp 15 and intermediate supports with clamps 14 may be fitted to enable installations to the structures.

1/2



2/2

